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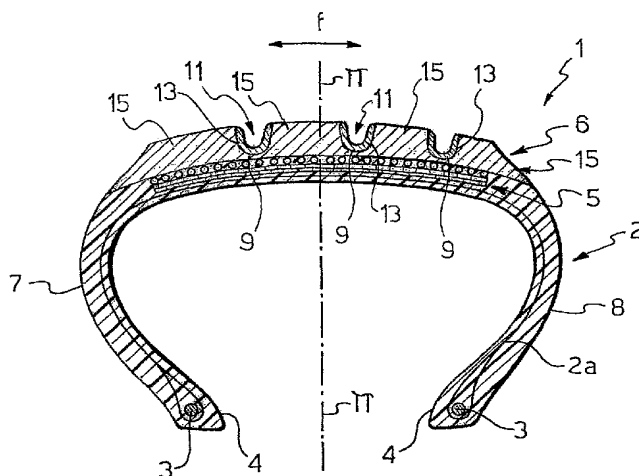
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- (71) Applicant (*for all designated States except US*): **PIRELLI PNEUMATICI S.P.A.** [IT/IT]; Viale Sarca, 222, I-20126 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BOIOCCHI, Maurizio** [IT/IT]; c/o Pirelli Pneumatici S.p.A., Viale Sarca, 222, I-20126 Milano (IT). **MATRASCIA, Giuseppe** [IT/IT]; c/o Pirelli Pneumatici S.p.A., Viale Sarca, 222, I-20126 Milano (IT).
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(54) Title: TIRE FOR VEHICLES



(57) Abstract: A pneumatic tire (1) is described comprising: a carcass structure (2) having at least one carcass ply (2a), and at least one annular reinforcing structure (3) associated to said carcass ply (2a), a pair of axially opposite side walls (7, 8) on the carcass structure (2), a belt structure (5) arranged at a radially outer position with respect to the carcass structure (2) and a tread band (6), arranged at a radially outer position with respect to the belt structure (5), and generally consisting of a first elastomeric material incorporating at least one portion substantially consisting of a second elastomeric material; wherein the tread band (6) comprises at least one groove (11) defined in the at least one portion substantially consisting of the second elastomeric material; wherein the ratio between the modulus of elasticity ( $E'$ ) under compression at 100°C of the second elastomeric material and the modulus of elasticity ( $E'$ ) under compression at 100°C of the first elastomeric material is not lower than about 1.30; and wherein the ratio between the IRHD hardness at 100°C of the second elastomeric material, measured in accordance with standard ISO 48, and the IRHD hardness at 100°C of the first elastomeric material, measured in accordance with standard ISO 48, is lower than about 1.10.

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